

Serial No. 10/562,999
Customer No. 24498

PF030094

Listing and Amendments to the Claims

1. (Currently amended) A method of ~~demodulating a signal~~ demodulation in a receiver/decoder comprising a tuner including a local oscillator, a demodulator ~~situated downstream of the tuner and a digital telephone base wherein, in case of interference with the digital telephone base, the frequency of the local oscillator of the tuner is shifted by one or more synthesis intervals after scanning of an error signal given by the error indicator situated in the demodulator~~ including an error indicator, the signal being susceptible to interferences due to the coexistence of a digital telephone base, the method comprising the steps of

indicating by an error signal given by the error indicator of the demodulator the presence of an interference from a telephone base signal,

shifting by one or more intervals the frequency of the local oscillator until the error signal indicates the absence of the interference, and

restoring the signal by compensating it for any shifts of the local oscillator.

2. (Currently amended) A receiver/decoder for receiving a signal comprising a tuner including a local oscillator,
a demodulator including an error indicator and a carrier recovery loop,
means for scanning an error signal given by the error indicator indicating the presence of an interference signal due to the coexistence of a telephone base, and
means for controlling the shifting of the frequency of the local oscillator until the error signal indicate the absence of interference,

wherein the carry recovery loop restores the signal by compensating it for the shifting of the local oscillator

~~situated downstream of the tuner and a digital telephone base, wherein it furthermore comprises a software program means for scanning an error signal issued from the error indicator situated in the demodulator, which acts so as to control the shifting of the frequency of the local oscillator of the tuner when the telephone base interferes with the local oscillator.~~

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3. (Previously presented) The receiver/decoder as claimed in claim 2, wherein the frequency shift of the local oscillator is effected in shifting the value of it by one or more synthesis intervals.

4. (Previously presented) The receiver/decoder as claimed in claim 3, wherein the frequency shift of the local oscillator is at most equal to a shift automatically compensatable for by the demodulator.